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APPLICATION NO.		FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/869,839		09/10/2001	Roland Heinze	P01,0235	P01,0235 8951	
26574	7590	05/04/2004		EXAM	EXAMINER	
SCHIFF H	ARDIN,	LLP		OROPEZA, FRANCES P		
PATENT D					0 - PED \ /// (PED	
6600 SEAR	S TOWE	R		ART UNIT	PAPER NUMBER	
CHICAGO,	IL 6060	06-6473		3762	3762	
				DATE MAILED: 05/04/2004	1	

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Application No.	plicant(s)	
	09/869,839	HEINZE ET AL.	:
Office Action Summary	Examiner	Art Unit	
	Frances P. Oropeza	3762	
The MAILING DATE of this communication a	ppears on the cover sheet wi	ith the correspondence address	
Period for Reply		ONTHO FROM	
A SHORTENED STATUTORY PERIOD FOR REP THE MAILING DATE OF THIS COMMUNICATION - Extensions of time may be available under the provisions of 37 CFR after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above, is less than thirty (30) days, a re - If NO period for reply is specified above, the maximum statutory perior - Failure to reply within the set or extended period for reply will, by statt Any reply received by the Office later than three months after the mail earned patent term adjustment. See 37 CFR 1.704(b).	1. 1.136(a). In no event, however, may a reply within the statutory minimum of third will apply and will expire SIX (6) MON ute, cause the application to become AB	reply be timely filed by (30) days will be considered timely. ITHS from the mailing date of this communic BANDONED (35 U.S.C. § 133).	cation.
Status			
1) Responsive to communication(s) filed on 2/1	9/04 (Amendment).		
2a) This action is FINAL . 2b) Th	nis action is non-final.		
3) Since this application is in condition for allow	•		ts is
closed in accordance with the practice under	Ex parte Quayle, 1935 C.D	. 11, 453 O.G. 213.	
Disposition of Claims			
4) Claim(s) 14-28 is/are pending in the application	ion.		
4a) Of the above claim(s) is/are withdr	awn from consideration.		
5) Claim(s) is/are allowed.			
6)⊠ Claim(s) <u>14-28</u> is/are rejected.			
7) Claim(s) is/are objected to.			
8) Claim(s) are subject to restriction and	or election requirement.		
Application Papers			
9) The specification is objected to by the Examir	ner.		
10)⊠ The drawing(s) filed on 2/19/04 is/are: a)⊠ a		by the Examiner.	
Applicant may not request that any objection to the			
Replacement drawing sheet(s) including the corre	ection is required if the drawing	(s) is objected to. See 37 CFR 1.13	21(d).
11) The oath or declaration is objected to by the I	Examiner. Note the attached	d Office Action or form PTO-15	2.
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for foreign	an priority under 35 U.S.C. §	5 119(a)-(d) or (f).	
a) ☐ All b) ☐ Some * c) ☐ None of:	, p,		
1. Certified copies of the priority docume	nts have been received.		
2. Certified copies of the priority docume		pplication No	
3. Copies of the certified copies of the pri	iority documents have been	received in this National Stage)
application from the International Bure	au (PCT Rule 17.2(a)).		
* See the attached detailed Office action for a list	st of the certified copies not	received.	
Attachment(s)			
1) Notice of References Cited (PTO-892)		Summary (PTO-413)	
 Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/0 		s)/Mail Date nformal Patent Application (PTO-152)	
Paner No(s)/Mail Date	6) Other:		

U.S. Patent and Trademark Office PTOL-326 (Rev. 1-04) Application/Control Number: 09/869,839

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DETAILED ACTION

Claim Rejections - 35 USC § 102

1. Claims 14-21, 23, and 27 stand rejected under 35 U.S.C. 102(b) as being anticipated by Heinze (US 5500006). Heinze discloses a pacemaker for acquiring a measurement parameter of heart activity, and evaluating the signal as a function of frequency or duration to optimize the pacemaker stimulation frequency (abstract; col. 2 @ 4-16; col. 2 @ 31- col. 3 @ 2; col. 3 @ 35-53; col. 5 @ 60 -col. 8 @ 31; col. 10 @ 19-39).

As to 15 and 16, the operation is continuous or periodic (col. 2 @ 7-10).

As to 17 and 20, the dimensionless variable, the actual duration of the action potential of the heart is used to identify the electric restitution (col. 3 @ 35-53).

As to claims 21 and 23, a quotient is used (col. 2 @ 44-40; col. 10 @ 33-37).

It is accepted that groupings of cardiac data can be evaluated based on the average value, the selection of the average value being an obvious design choice.

Drawings

2. Figure 4 stands objected to under 37 CFR 1.83(a) because the rectangular boxes/ symbols 1-5, 8 and 9 are not labeled as <u>described in the specification</u>. Any structural detail that is essential for a proper understanding of the disclosed invention should be shown in the drawing. MPEP § 608.02(d). A proposed drawing correction or corrected drawings are required in reply to the Office action to avoid abandonment of the application. The objection to the drawings will not be held in abeyance. Correction is required.

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Specification

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3. The disclosure stands objected to because of the following informalities in the substitute specification remain unclear:

- Page 6, line 14, "the20inequations" is unclear,
- Page 8, line 5, "5 AP" is unclear,
- Page 8, line 19, "as 25 a function" is unclear,
- Page 11, line 17, "the 10 regulation" is unclear,
- Page 14, line 20, "follows. 5 The" is unclear, and
- Page 15, line 15, "Comparator 13" is unclear as no such reference numeral is found in the figures.

Appropriate correction is required.

Statutory Basis

4. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

Conclusion

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE

MONTHS from the mailing date of this action. In the event a first reply is filed within TWO

MONTHS of the mailing date of this final action and the advisory action is not mailed until after

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the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the Examiner should be directed to Fran Oropeza, telephone number is (703) 605-4355. The Examiner can normally be reached on Monday – Friday from 9 a.m. to 5 p.m.

If attempts to reach the Examiner by telephone are unsuccessful, the Examiner's Supervisor, Angela D. Sykes can be reached on (703) 308-5181. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306 for regular communication and for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Receptionist at telephone number (703) 308-0858.

Frances P. Oropeza Patent Examiner Art Unit 3762

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ANGELA D. SYKES
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 3700

angel D. Ahlis